ABSTRACT

AN ELECTROMAGNETIC DEVICE FOR CONVERTING MECHANICAL VIBRATIONAL ENERGY INTO ELECTRICAL ENERGY

An electromagnetic generator comprising two magnets and a coil disposed therebetween, the two magnets being configured to define therebetween a region of magnetic flux in which the coil is disposed whereby relative movement between the coil and the magnets generates an electrical current in the coil, and a vibratable first mount for each of the magnets and a vibratable second mount for the coil whereby each of the at least two magnets and the coil are respectively vibratable about a respective central position.

[Figure 2]